

Outline of AP Computer Science Principles (College Board)

1. Introduction to AP Computer Science Principles

Big Ideas in AP CSP

- Creativity
- Abstraction
- Data and Information
- Algorithms
- Programming
- The Internet
- Global Impact

2. Computational Thinking Practices

3. Course Content Areas (Big Ideas)

Big Idea 1: Creative Development

Big Idea 2: Data

Big Idea 3: Algorithms and Programming

Big Idea 4: Computer Systems and Networks

Big Idea 5: Impact of Computing

4. Performance Tasks

Explore Task

Create Task

5. Exam Format

Multiple-Choice Section

- Single-select multiple-choice questions
- Multiple-select questions with two correct answers

Performance Tasks

- Explore Task (16% of the score)
- Create Task (24% of the score)

6. Tools and Resources for Learning

Approved Programming Languages and Tools

- Python, JavaScript, Scratch, Java etc.
- Tools for data analysis and visualization